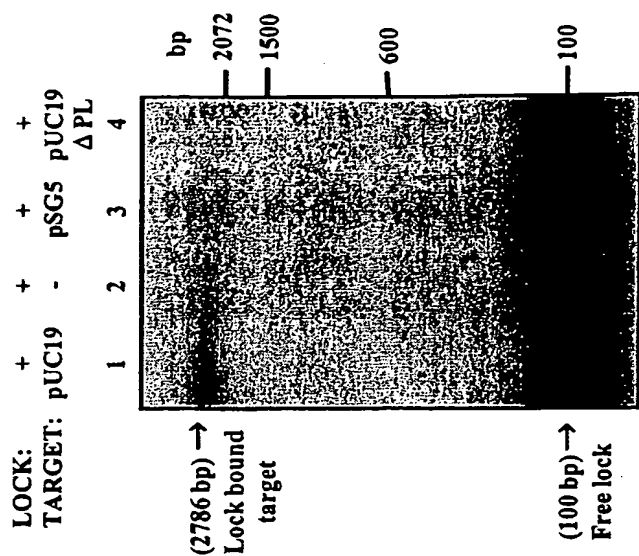
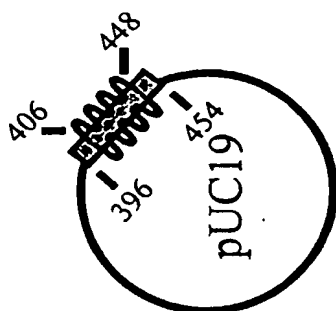


Figure 1



b



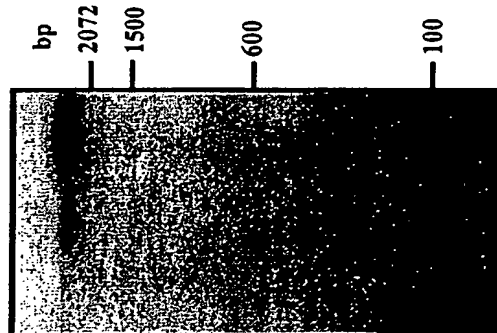
a

DNA Ligase

d

LOCK: + + + + +
pUC19: - - - - -
DNA Ligase: + + + + +

1 2 3



c

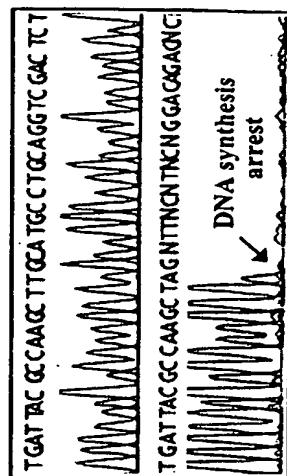
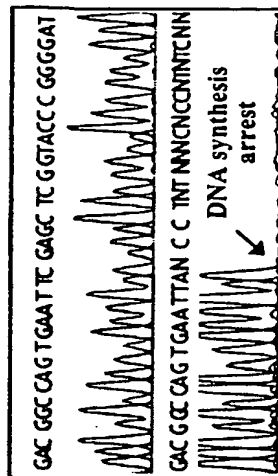
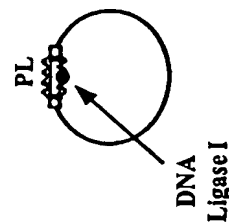
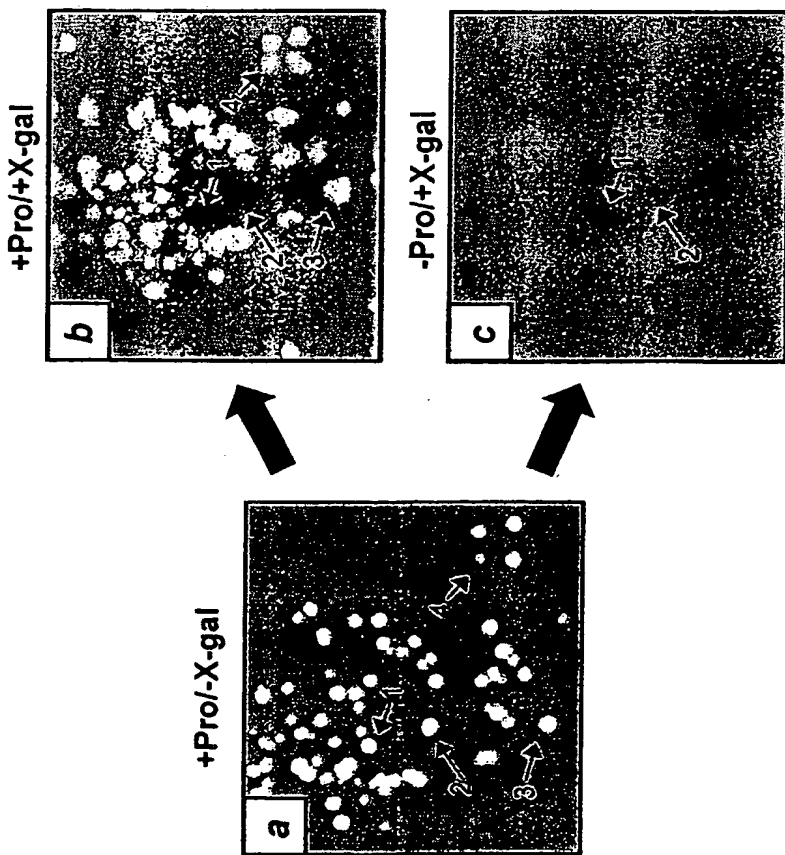
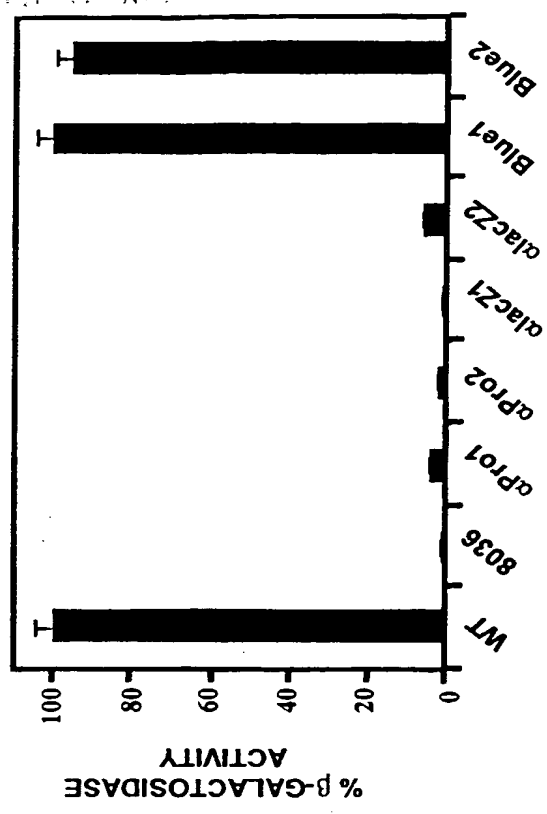


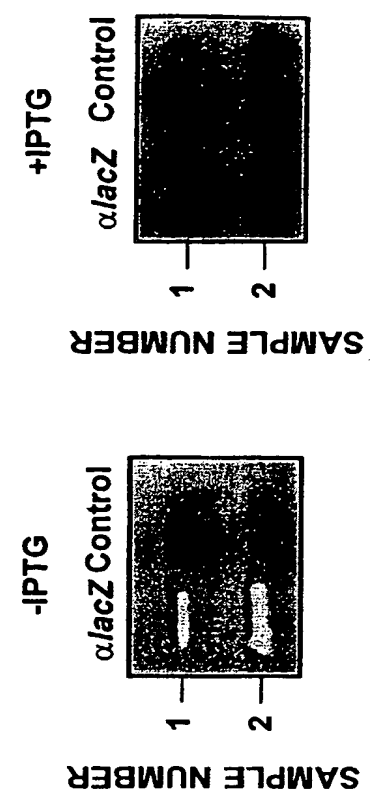
Figure 2A-2D



e



f



d

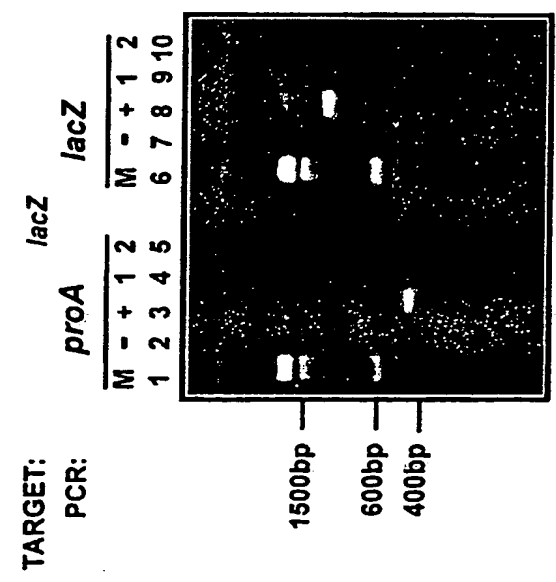


Figure 3A-3F



Figure 4A-4F

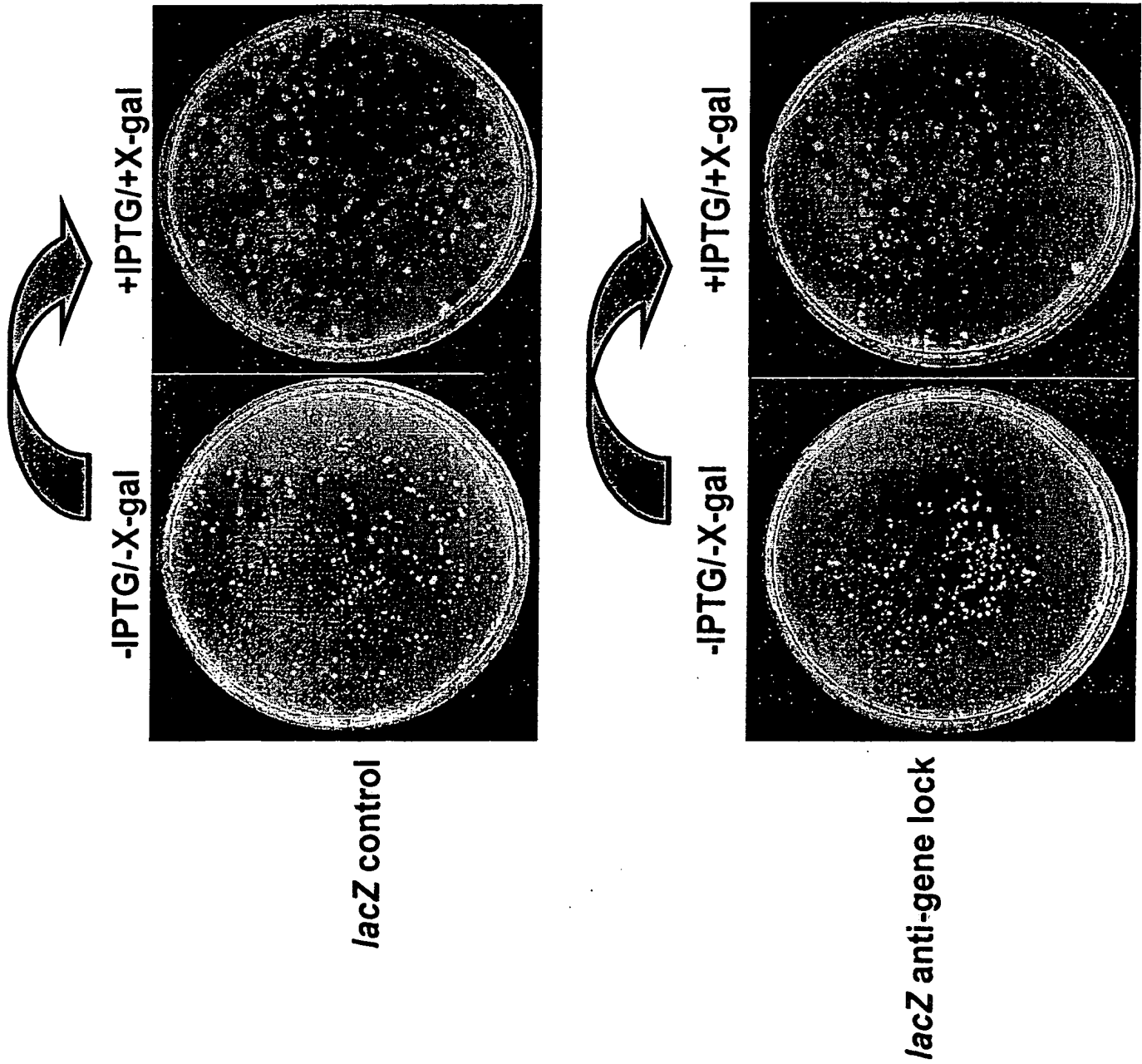


Figure 5

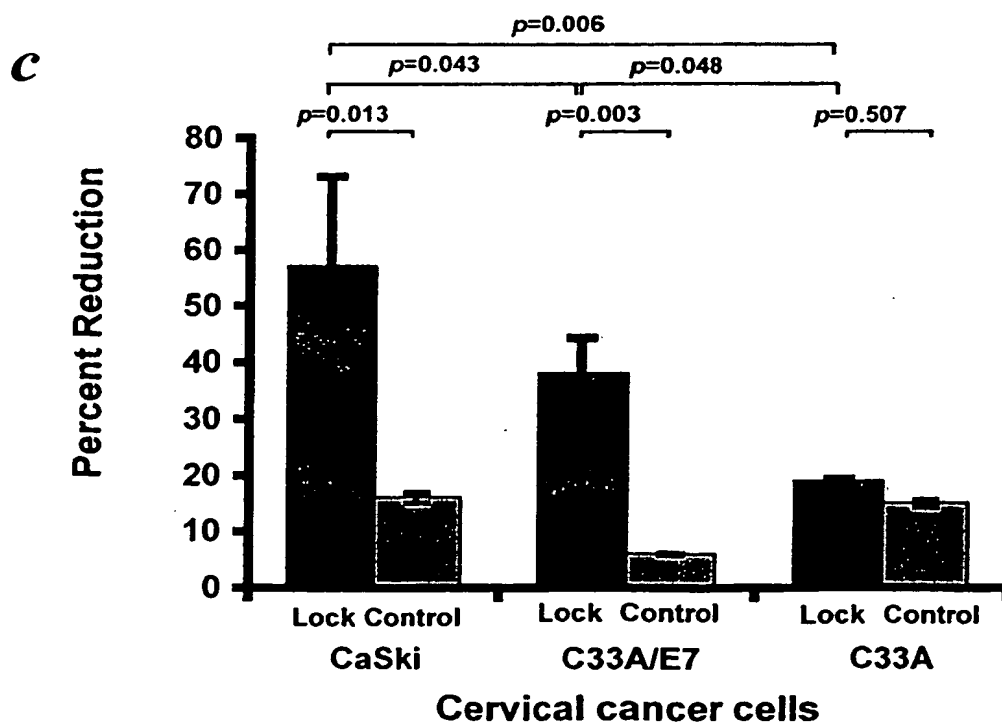
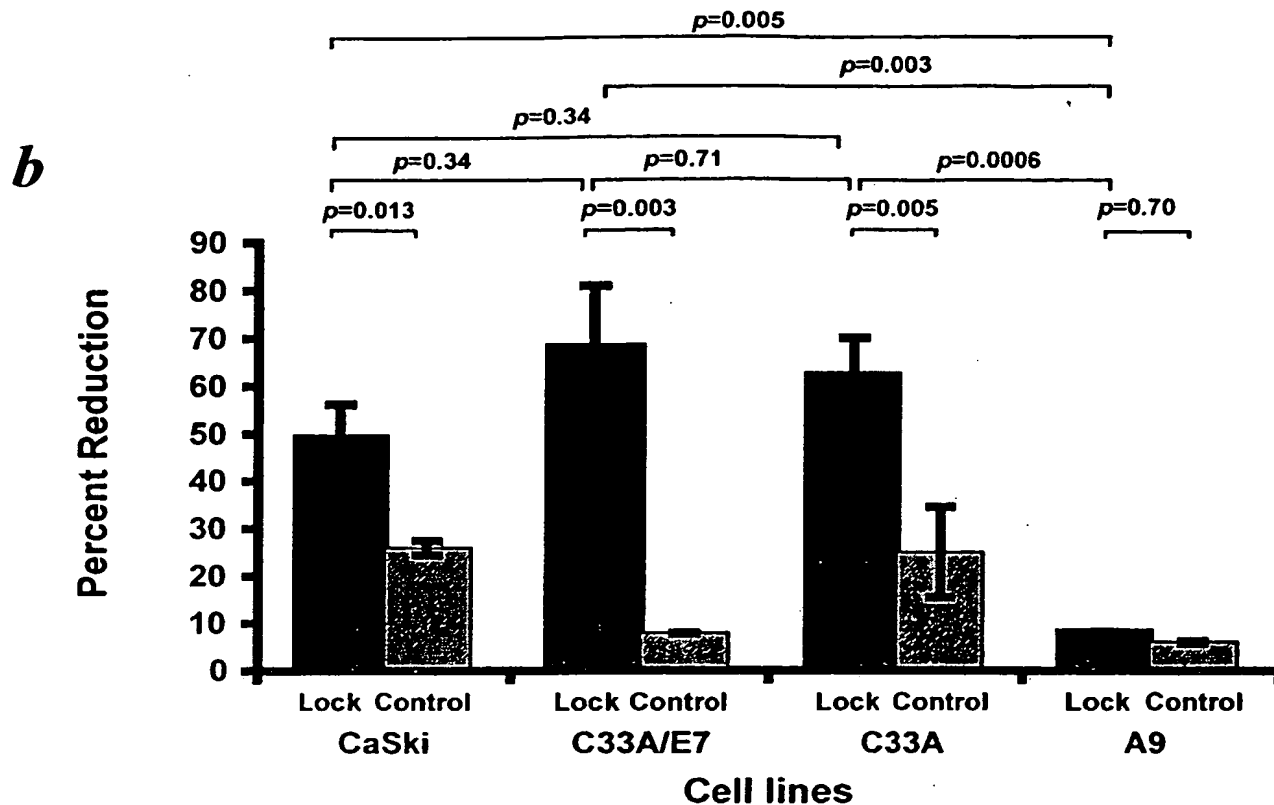
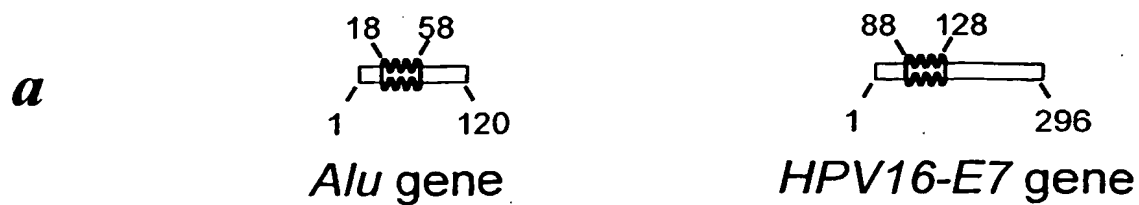
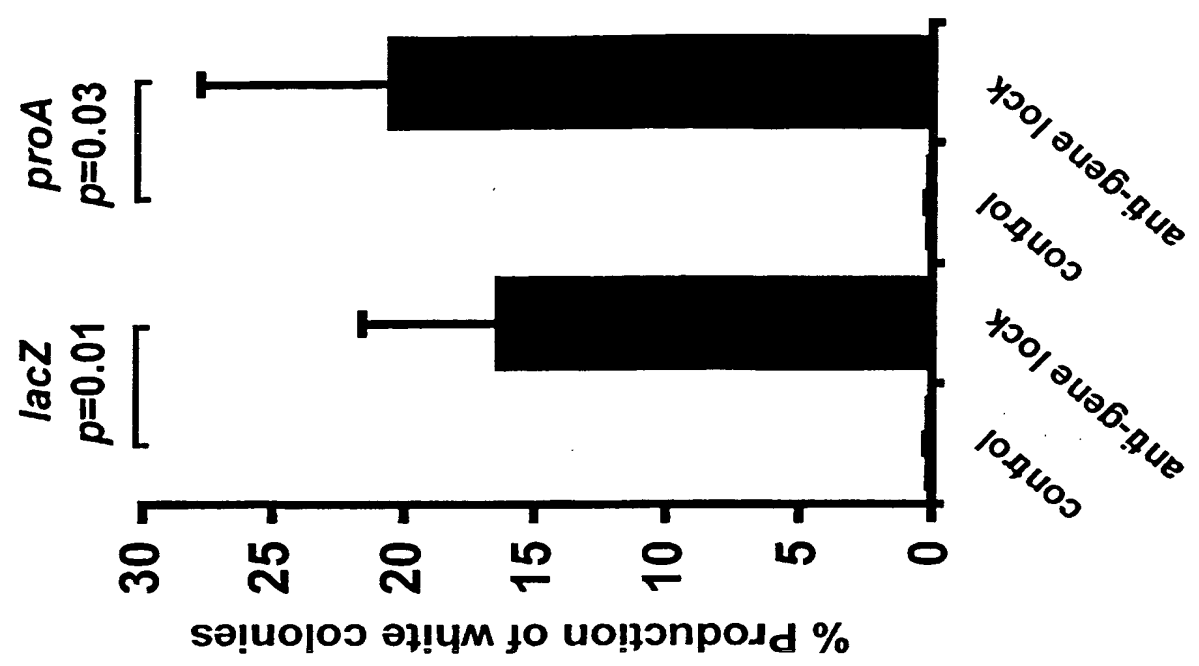
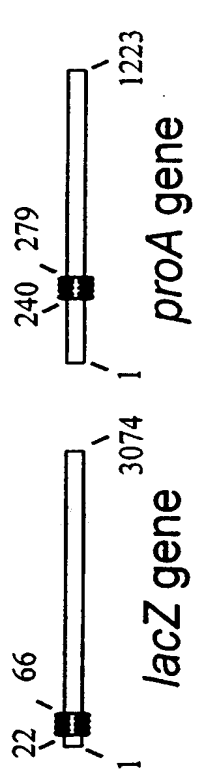


Figure 6A-6C

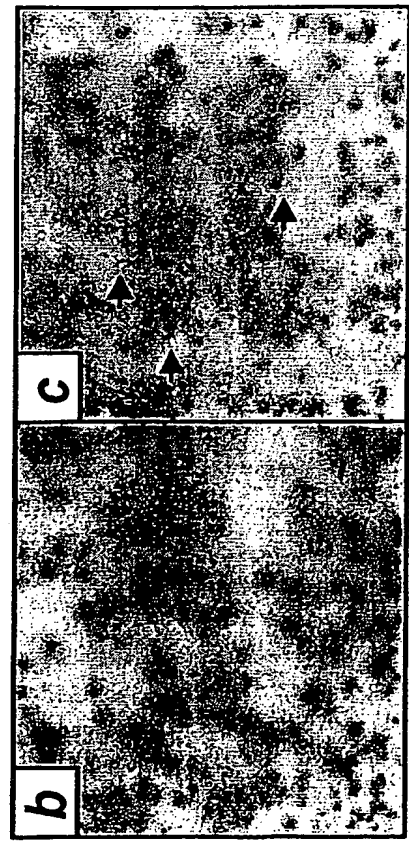
f



a



lacZ control *lacZ* anti-gene lock



proA control *proA* anti-gene lock

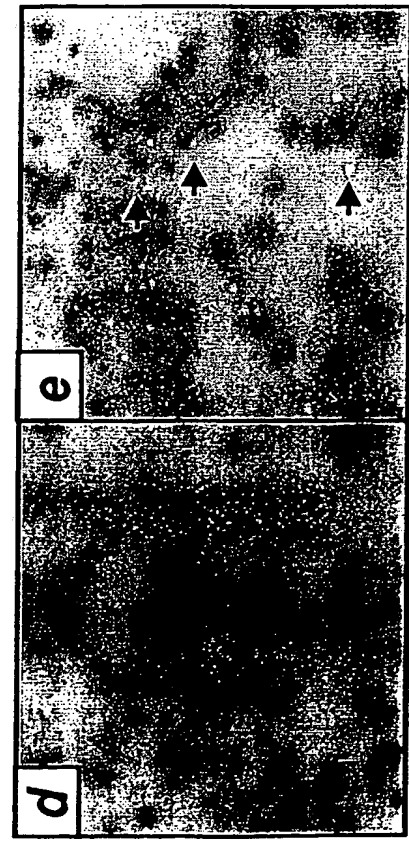


Figure 7A-7F